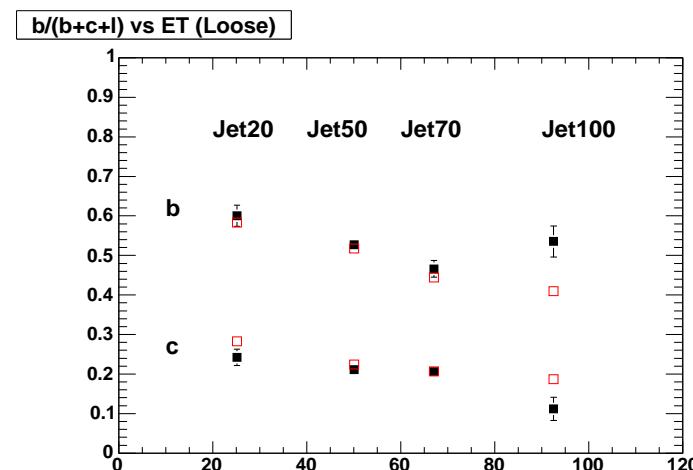
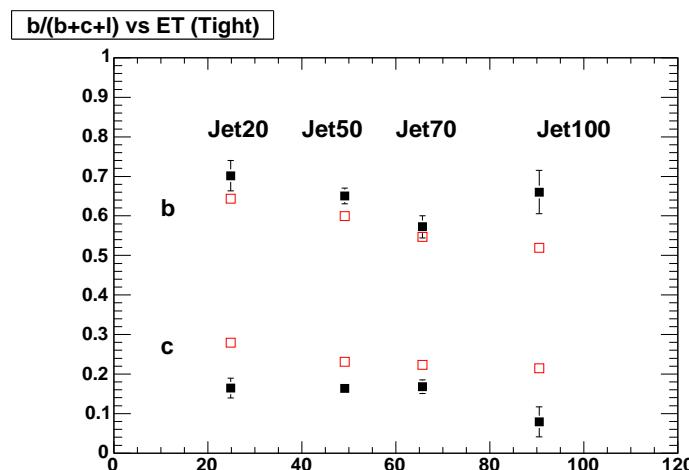
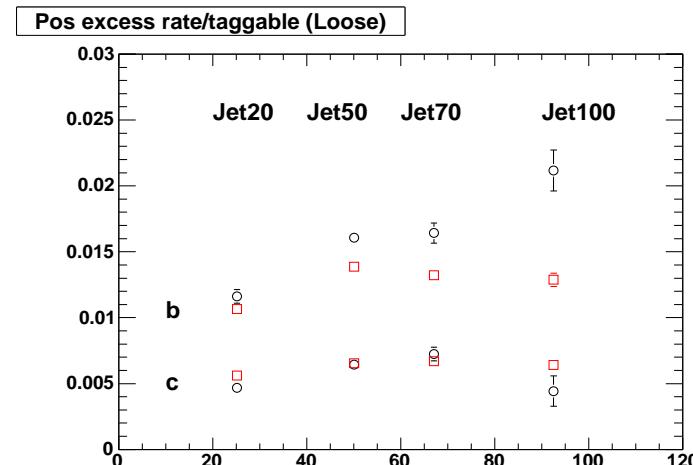
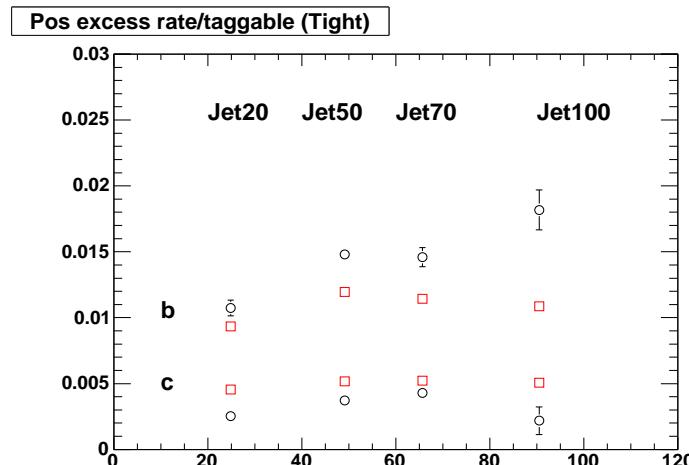


- $F_{hf}$  from ctau fits to positive tag excess
  - $K = \frac{[\text{tagged } b/(\text{taggable jets})]_{\text{data}}}{[\text{tagged } b/(\text{taggable jets})]_{MC} * SF}$
  - $K = \frac{[F_b(\text{from fit}) * (\text{Positive Excess}) / (\text{taggable jets})]}{[\text{tagged } b/(\text{taggable jets})]_{MC} * SF}$
- (also for  $F_c$ )
- for Jet20, Jet50, Jet70, Jet100; loose and tight; c and bs.

- HF fractions and tag rates comparisons between data and MC  
Left: tight tagger, right: loose tagger



- K factor for Jet20, Jet50, Jet70 and Jet100

Left: tight tagger, right: loose tagger

